

WHAT IS CLAIMED IS:

1. A rear suspension of a vehicle, the vehicle having a vehicle body, the rear suspension comprising:

a carrier at which a rear wheel is rotatably mounted;

5 a trailing arm generally longitudinally aligned with respect to the vehicle body, the trailing arm having ends respectively connected to the carrier and the vehicle body; and

10 a connecting unit connecting the vehicle body and a body-side end of the trailing arm, and varying a vertical position of the body-side end according to a running state of the vehicle.

2. The rear suspension of claim 1, wherein the connecting unit comprises:

a bracket having a slot formed along a predetermined direction having a vertical component;

15 a hinge pin penetrating the slot and the body-side end of the trailing arm; and

a positioning apparatus adjusting a position of the hinge pin in the slot.

3. The rear suspension of claim 2, wherein the slot is vertically formed.

20 4. The rear suspension of claim 2, wherein the positioning apparatus comprises:

a cylinder having a receiving hole for receiving a hydraulic pressure;

a piston disposed in the cylinder so as to form a hydraulic pressure chamber in the cylinder;

25 an actuator fixed to the piston and extending exterior to the hydraulic pressure chamber in an opposite side thereof; and

a linking member connecting the actuator and the hinge pin.

5. The rear suspension of claim 4, wherein the receiving hole of the cylinder is connected to a brake line of the vehicle.

30 6. The rear suspension of claim 2, wherein the hinge pin is located at a lowest

position of the slot when the vehicle is not under braking operation.

7. The rear suspension of claim 4, further comprising a restoring apparatus for restoring a position of the piston in the case that the hydraulic pressure supplied to the hydraulic pressure chamber is released.

8. The rear suspension of claim 7, wherein the restoring apparatus comprises an elastic member applying an elastic force on the piston toward the receiving hole.

9. A rear suspension for a vehicle body having a vehicle body, the suspension comprising:

a piston and cylinder adapted to be secured relative to the vehicle body, said piston having a rearward extending piston rod;

a bracket adapted to be secured relative to the vehicle body at a position rearward of said piston and cylinder, said bracket defining a slot extending at least partly in a vertical direction relative to the vehicle and said slot being configured and dimensioned to receive a pivotally mounted forward end of a suspension trailing arm; and

a linking member extending between said piston rod and bracket slot wherein the linking member is configured for pivotal connection with the suspension trailing arm and vertically moveable in said slot.

10. The rear suspension of claim 9, further comprising a biasing element disposed to bias said piston in a forward direction.

11. The rear suspension of claim 10, wherein said cylinder communicates with a vehicle brake system such that the piston rod is extended when vehicle brakes are applied.